

# CARTERET COUNTY PUBLIC BUILDINGS

Carl Baker  
Public Buildings Manager



Phone: 252-728-8425

## REQUEST FOR PROPOSALS

**August 9, 2017**

**Project Name:** Replace Electric Boiler in the Carteret County Administration Building

**Scope of Work:** Disconnect and dispose of existing boiler in the Mechanical Room of the Carteret County Administration Building, 302 Courthouse Square, Beaufort, NC. Install a new boiler in the same location and connect to existing piping, controls, and power supply. Boiler specifications and photographs of existing conditions are provided in this Request for Proposals.

**Point of Contact:** Carl Baker, Public Buildings Manager  
310 Craven Street  
Beaufort, NC 28516  
Phone: 252-728-8425  
Email: [carl.baker@carteretcountync.gov](mailto:carl.baker@carteretcountync.gov)

**Site Visit:** A site visit may be scheduled by contacting the Point of Contact above.

**Due Date:** Proposals shall be submitted by email no later than 1:00 p.m. on Tuesday, August 29, 2017 to [carl.baker@carteretcountync.gov](mailto:carl.baker@carteretcountync.gov). Proposals received after the due date will be rejected.

**Project Completion Date:** November 10, 2017

Note 1: The replacement boiler specifications are required with the proposal.

Note 2: Contractor shall provide a current W-9 tax form and proof of insurance for public liability, property damage, and Worker's Compensation prior to selection.

## Technical Information

### Existing Boiler Specifications:



### New Electric Hot Water Boiler Specifications

120 KW in voltage of 3/480/60Hz  
12" diameter, 22 gallons, vessel 150#, ASME Construction with safety relief valve  
4" fiberglass insulation with heavy-duty steel housing  
Electronic digital temperature readout  
Integral electronic control panel, internal fusing.  
120-volt control transformer  
Status light for each step  
Probe type low water cut-off, automatic manual reset  
Proportional progressive sequence step control  
Boiler UL listed and meets CSD-1 requirements

The space for the new boiler is extremely limited. The existing concrete pad is 30" x 60" x 5" and has limited area for expansion.



**Mechanical Room**



**Existing boiler element end. Concrete pad 30" x 60" x 5"**

Mailing: 302 Courthouse Square, Beaufort, NC 28516  
Location: 310 Craven Street, Beaufort, NC 28516





**Existing boiler power and controls cabinet**



**Existing boiler overflows and pressure relief valve discharge**

Mailing: 302 Courthouse Square, Beaufort, NC 28516  
Location: 310 Craven Street, Beaufort, NC 28516



**Top of existing boiler**



**Control valve assembly**

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**Rear of boiler with 4" hot water return**